Software Requirement Specification for Facebook

Table of Content

1. Introduction.

SRS stands for Software Requirement Specification.
This document is prepared in order to determine the software requirement specification for Facebook.
Facebook, American online social network service that is part of the company Meta Platforms. Facebook was founded in 2004 by Mark Zuckerberg, Eduardo Saverin, Dustin Moskovitz, and Chris Hughes, all of whom were students at Harvard University. Facebook became the largest social network in the world, with nearly three billion users as of 2021, and about half that number were using Facebook every day. The company's headquarters are in Menlo Park, California.

Access to Facebook is free of charge, and the company earns most of its money from advertisements on the website. New users can create profiles, upload photos, join a preexisting group, and start new groups. The site has many components, including Timeline, a space on each user's profile page where users can post their content and friends can post messages; Status, which enables users to alert friends to their current location or situation; and News Feed, which informs users of changes to their friends' profiles and status. Users can chat with each other and send each other private messages. Users can signal their approval of content on Facebook with the Like button, a feature that also appears on many other websites. Other services that are part of Meta Platforms are Facebook, a photo- and video-sharing social network; Messenger, an instant-messaging application; and WhatsApp, a text-message and VoIP service.

2. Overall Description.

The world's most popular social networking web site, Facebook enables users to connect with friends and family by sharing status updates, personal photos and other items of interest. Founder Mark Zuckerberg created Facebook in 2004 while a student at Harvard, designing the site as a means for other university students to communicate and to socialize online. The idea quickly spread from there and has become a global phenomenon, with more than 160

million users in the United States alone. Learning to leverage Facebook's popularity can prove beneficial to your small business.

2.1 Product Perspectives.

Facebook is an independent and world-wide network system. Every

person can use it without any cost. People from different regions of the world can connect to each other via this system.

2.2 Product Function.

Facebook is a website which allows users, who sign-up for free profiles, to connect with friends, work colleagues or people they don't know, online. It allows users to share pictures, music, videos, and articles, as well as their own thoughts and opinions with however Users send "friend requests" to people who .many people they like .they may – or may not – know.

Facebook has over 1 billion user.

Once accepted, the two profiles are connected with both users able to see whatever the other person posts. "Facebookers" can post almost anything to their "timeline", a snapshot of what is happening in their social circle at any given time, and can also enter private chat with other friends who are online.

2.3 User Characteristics.

Facebook does not require any computer knowledge to use it. Anyone can use it very easily.

2.4 Design and Implementation.

Being a social networking system it's design should be perfect and

attractive. It should be secure enough so that the user's data and their personal information should not be leaked and those should be securely preserved In the system.

3. External Interface Requirements.

3.1 Interface Requirements.

Various interfaces for Facebook could be :

Signup page

Login Page

Profile Page

News Feed

Customizing UI Templates

Messenger

3.2 Hardware Interface.

The whole system runs over the internet. Without internet connection the system will not work. All the hardware should be connected to the internet such as Wi-Fi. Software Interface:

The system is on a server so there will be some scripting languages such as PHP, HTML, VBScript etc. Database is also required for the storage purpose of any transaction like MYSQL.

4. Specific Requirements.

4.1 Functional Requirements.

FR 1: Adding posts.

You can use Facebook to add post and share it with your friends.

you can do this from 2 different places: News Feed, Home page and Profile page.

-Add Post

-You can change privacy to control (who can see this post?)

- You can create an album and select your privacy.

- You can share this post to Instagram.

- You can write post using any language.

- You can change background to your post.

-You can add single or multiple photos to your post.

-You can add single or multiple videos to your post.

-You can either use camera for a new photo/video or

browse from your photos and videos.

-You can use mix of photos and videos either by using

camera for a new photo/video or browse from your

photos and videos.

- You can Write a caption for each photo/video.

- You can Tag people.

– You can Add a location.

– You can add Feeling/Activity to your post.

– You can add GIF to your post.

-You can Tag event in your post.

-You can share a live video.

– You can change background color to your post.

FR 2: Adding Stories.

With stories, you can share photos and videos that disappear from your profile, feed and messages after 24 hours, unless you add them to your profile as story highlights, you can do this from 2 different places with the same behavior: News Feed, Home page and Profile page.

-Adding a Story.

-You can change privacy of story(public-friends-custom).

-You can change commenting settings.

-You can write a text story and change background color or font type.

- You can either use camera for a new photo/video or

browse from your photos and videos (Normal – Boomerang-video-layout).

- Post multi stories at once.

-You can use mix of photos and videos by using new photo/video or browse from your photos and videos.

- Tag people.

- You can tag only public accounts, by using the

"@Mention" sticker, or by adding "@" while adding a

Text.

-You can search about music and add it to your story.

-You can add location to your story.

-You can add text, stickers, GIF, Questions, poll, feeling, emojis and time.

-You can edit effects and draw in photo.

-You can take Boomerang using camera and add to your story.

-You can add yours to your story.

-You can take a selfie photo, change effects and add it to your story.

-You can use green screen to change background then add to your story.

FR 3: Messaging.

–You can send a text message

- You can send photo/video.

-You can either take a new photo/video or upload photo/video from your gallery.

-You can multi photos/videos.

-You can send emojis.

-You can send voice message.

-You can share your location.

-You can make a voice call with your friends.

In Voice call:

1-You can mute your voice.

2-You can open your camera and swatch from voice call to video call.

3-You can add more friend to your call.

4-You can share post from your Instagram to watch it with your friend.

5-You can share your screen.

6-You can change call settings.

7-You can use an avatar.

8-You can raise hand.

9-You can report a problem.

10-You can play with your friends in call.

11-at the end of call you can rate the call.

-You can make a video call with your friends.

In Video call:

1-You can mute your voice.

2-You can close your camera and swatch from voice call to video call.

3-You can change your camera to back.

4-You can add more friends to your call.

5-You can share posts from Instagram with your friends.

6-You can select Avatars.

7-You can change Effects.

8-You can change lighting.

9-You can Touch up.

10-You can share videos with your friends.

11-Share call`s link to invite more friend.

12- You can raise hand.

13-You can share screen.

-You can change the themes of your chat.

-You can change your favorite emoji.

-You can make a nickname for your friends.

-You can create a group chat with your friends.

-You can view previous media, files and links in your chat with your friends.

-You can go to secret conversation.

-You can search in conversation.

-You can change setting of notifications and sounds.

-You can share contact.

-You can block any one.

-You can restrict any one.

-You can report and give feedback.